

Shenzhen CTL Testing Technology Co., Ltd. Tel:+86-755-89486194 E-Mail:ctl@ctl-lab.com

TEST REPORT			
CTL2208179021-IP	-		
Ac Li	在些检检测		
May Guo			
Ethan Chen	67 67 Jesting Jechnology		
Nov. 10, 2022.			
Shenzhen CTL Testing Technology Co., Ltd.			
Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road, Nanshan District, Shenzhen, China 518055s			
Shenzhen CTL Testing Technology Co., Ltd.			
Shenzhen QianWen Information Technology Co., Ltd			
Room 201, Building A, No. 1, Wanqian 1st Road, Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, China.			
Verification test according to sub-clause 13.4 and 14.2.7(IP67) of IEC 60529:1989+A1:1999+A2:2013			
IP67			
Test report			
N/A			
Radio Frequency Iden	tification		
N/A			
Shenzhen QianWen Ir	formation Technology Co., Ltd		
Room 201, Building A, Shenzhen-Hong Kong	No. 1, Wanqian 1st Road, Qianhai Cooperation Zone, Shenzhen, China.		
RF-HM18, RF-HM18-R4, RF-HY18R-R4			
Refer to the next page	S.		
	CTL2208179021-IP Ac Li May Guo Ethan Chen Nov. 10, 2022. Shenzhen CTL Testin Floor 1-A, Baisha Tecl Nanshan District, Shen Shenzhen CTL Testin Shenzhen QianWen Ir Room 201, Building A, Shenzhen-Hong Kong Verification test accord 60529:1989+A1:1995 IP67 Test report N/A Radio Frequency Iden N/A Shenzhen QianWen Ir Room 201, Building A, Shenzhen QianWen Ir Refer N/A		

1. Function / Description :

Radio Frequency Identification powered by DC24V, electronic components mounted on PCB, housed with plastic enclosure.

RF-HM18, RF-HM18-R4, RF-HY18R-R4 have same electrical circuit, PCB and BOM, Only model's name are different for marketing requirement.

All tests were conducted on the representative model RF-HM18

2. Summary of testing and conclusion :

Clause 13.4

- The test is made using a dust chamber.
- The talcum powder used shall be able to pass through a square-meshed sieve the nominal wire diameter of which is 50 um and the nominal width of a gap between wires 75 um. The amount of

talcum powder to be used is 2 kg per cubic meter of the test chamber volume.

Clause 14.2.7

- The lowest point of enclosures with a height less than 850 mm is located 1 000 mm below the surface of the water
- The highest point of enclosures with a height equal to or greater than 850 mm is located 150 mm below the surface of the water
- The duration of the test is 30 min.
- The water temperature does not differ from that of the equipment by more than 5 K. However, a modified requirement may be specified in the relevant product standard if the tests are to be made when the equipment is energized and/or its parts in motion.

The test was done in the Shenzhen CTL Testing Technology Co., Ltd.;

Tests were performed on Oct.21, 2022.

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3. Test Result:

CLAUSE	Verdict
13.4 Test for first characteristic numeral 6 (IP6X)	Pass
After Testing:	Pass
 No dust enter into the enclosure inside. 	Pass

CLAUSE	Verdict
14.2.7 Test for second characteristic numeral 7 (IPX7)	Pass
After Testing:	Pass
• No water enter into the enclosure inside.	Pass
• After test, The sample can be operated normally, No damage to the safety of the sample	Pass
Electric strength test: between live part and enclosure: 500Vac / 1 min	N/A

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4. Photo document









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